

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	(sleep apnea and light source and photo detecting and diagnosis).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/18 10:28
L2	0	(sleep apnea and light source and photo detect\$4 and diagnos\$4).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/18 10:28
S1	796	600/481	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/13 07:45
S2	578	600/483	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/24 11:13
S3	366	600/484	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/24 11:13
S4	948	600/500	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/24 11:13
S5	955	600/529	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/24 11:15
S6	337	photoplethysmography	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/24 14:30
S7	3	ratiometric index	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/24 11:17
S8	185	ratio and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/24 14:11

## EAST Search History

S9	0	current to voltage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/24 11:38
S10	34585	voltage converter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/24 11:39
S11	6	S10 and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/24 11:39
S12	68	ratio and S6 and diagnosis	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/24 14:17
S13	15	ratio and S6 and diagnosis and sleep apnea	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/24 14:18
S14	2	"5398682".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/24 15:01
S15	914	apnea and light and sensor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/24 15:04
S16	539	600/538	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/24 15:04
S17	20	S16 and optical sensor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/24 15:06
S18	247	600/529-542.ccls. and (apnea) and (optic\$2 or light or ir or infrared) .	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/24 15:20

## EAST Search History

S19	1	10/830113	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/24 15:25
S20	0	("2004/0215095").URPN.	USPAT	ADJ	ON	2006/04/24 15:21
S21	5	US-6415174-\$.DID. OR US-6368287-\$.DID. OR US-6342039-\$. DID. OR US-6047203-\$.DID. OR US-5396893-\$.DID.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/04/24 15:22
S22	2	"4765340".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/24 15:35
S23	2	"5385144".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/24 15:36
S24	2	"4651741".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/24 15:37
S25	2	"6172743".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/24 15:37
S26	856	pulse oximetry and saturation and light and ratio	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/25 08:16
S27	0	"sample and holder"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/25 08:16
S28	81	pulse oximetry and sample and holder	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/25 08:21
S29	12101	sample-and-hold\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/25 08:21

## EAST Search History

S30	166503	multiplexer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/25 08:21
S31	3534	pulse oximet\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/25 08:22
S32	23	S29 and S30 and S31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/25 08:27
S33	23	S29 and S30 and S31 and ratio	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/25 08:28
S34	3	ratiometric index	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/25 10:02
S35	12101	sample-and-hold\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/27 07:55
S36	166503	multiplexer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/25 14:29
S37	3534	pulse oximet\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/25 14:29
S38	23	S35 and S36 and S37 and ratio	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/25 14:29
S39	12101	sample-and-hold\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/26 07:35

## EAST Search History

S40	166503	multiplexer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/26 07:35
S41	0	S39 and S40 and (current to voltage converter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/26 07:35
S42	0	current to voltage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/26 07:36
S43	0	"current to voltage"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/26 07:37
S44	4484	current\$1to\$1voltage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/26 07:37
S45	47	S39 and S40 and S44	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/26 07:37
S46	8	S45 and pulse oximetry	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/26 09:42
S47	2	S45 and pulse oximetry and comparator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/26 08:44
S48	1	S45 and pulse oximetry and comparator and delay	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/26 08:15
S49	0	S45 and pulse oximetry and comparator and divider	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/26 08:44

## EAST Search History

S50	2	S45 and pulse oximetry and divider	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/26 08:55
S51	21	multiplexer and sample-and-hold and divider and comparator and current-to-voltage converter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/26 09:31
S52	20	multiplexer and sample-and-hold and divider and comparator and current-to-voltage converter and delay	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/26 15:18
S53	8	S45 and pulse oximetry and ratio	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/26 11:22
S54	233	"4407290"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/26 10:21
S55	4	"4407290".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/26 10:21
S56	191	("4102345"   "4114604"   "4167331").PN. OR ("4407290").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/04/26 10:23
S57	0	S56 and sample-and-holder	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/04/26 10:24
S58	0	S56 and sample\$1and\$1holder	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/04/26 10:25
S59	24	S56 and comparator	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/04/26 10:25
S60	845	pulse oximetry and analog and digital	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/26 12:00
S61	0	pulse oximetry and analog and digital and sample\$1and\$1holder	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/26 11:24

## EAST Search History

S62	1	oxygen saturation and analog and digital and sample\$1and\$1holder	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/26 11:25
S63	388	pulse oximetry and analog adj digital	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/26 12:05
S64	0	pulse oximetry and "analog or digital"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/26 12:05
S65	0	pulse oximetry and "digital or analog"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/26 12:05
S66	290	sample-and-hold\$ and saturation and multiplexer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/27 07:52
S67	42	sample-and-hold\$ and saturation and multiplexer and oxygen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/27 07:46
S68	69	sample-and-hold\$ and oxygen saturation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/27 07:55
S69	69	sample-and-hold\$ and oxygen saturation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/27 08:27
S70	6	sample-and-hold\$ and oxygen saturation and divider	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/27 08:27
S71	0	determine baseline and pulse oximetry	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/27 09:33

## EAST Search History

S72	1265	determine baseline	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/27 09:33
S73	797	600/481	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/27 09:34
S74	578	600/483	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/27 09:34
S75	367	600/484	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/27 09:34
S76	950	600/500	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/27 09:34
S77	961	600/529	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/27 09:34
S78	18	determine baseline and (S73 or S74 or S75 or S76 or S77)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/27 13:55
S79	2	"6811538".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/27 13:55
S80	1	"6811538".pn. and threshold	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/27 13:55
S81	2	"5385144".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/28 07:08
S82	3	("4777962"   "4802485"   "5146916").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/04/28 07:13



## EAST Search History

S83	0	S82 and ratio	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/04/28 07:11
S84	2	S82 and saturation	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/04/28 07:11
S85	483	pulse oximeter and ratio and saturation and calculation and light	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/04/28 07:14
S86	483	pulse oximeter and ratio and saturation and calculation and light and calculation	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/04/28 07:24
S87	52	("2358992"   "2442462"   "2640389"   "2706927"   "2760485"   "2790438"   "2835252"   "3152587"   "3167658"   "3227155"   "3229685"   "3359975"   "3403555"   "3412729"   "3482565"   "3628525"   "3638640"   "3648685"   "3704708"   "3799672"   "3810460"   "3815583"   "4013067"   "4109643"   "4125111"   "4212306"   "4321930"   "4334544"   "4380240"   "4390019"   "4425921"   "4489725"   "4510938"   "D243038"   "D250275"   "D262488"   "Re30750").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/04/28 07:24
S88	0	pulse oximeter and ratio and saturation and calculation and light and calculation and S87	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/04/28 07:25
S89	0	pulse oximeter and S87	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/04/28 07:26
S90	4	ratio and saturation and S87	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/04/28 07:26
S91	0	sleep apnea and dc ratio	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/13 07:46
S92	1429	sleep apnea and ratio	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/13 07:46
S93	330	sleep apnea and ratio and dc	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/13 07:55
S94	0	sleep apnea and ratio near dc	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/13 07:47
S95	56	sleep apnea and ratio and light source	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/13 08:06

## EAST Search History

S96	10	sleep apnea and ratio and light source and dc component	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/13 08:16
S97	1	sleep apnea and ratio near signal and light source	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/13 08:18
S98	10	ratio near dc component and light source	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/13 08:26
S99	127	ratio near dc and light source	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/13 08:30
S10 0	0	ratio of dc components	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/13 09:35
S10 1	2587	ratio and infrared light and red light	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/13 09:35
S10 2	780	ratio and infrared light and red light and dc	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/13 09:36
S10 3	145	ratio and infrared light and red light and dc component	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/13 09:36
S10 4	707	ratio and infrared light and red light and dc and compar\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/13 09:37
S10 5	442	ratio and infrared light and red light and dc and compar\$5 and monitor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/13 12:07

## EAST Search History

S10 6	0	"5385144".pn. and ddc	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/13 13:24
S10 7	1	"5385144".pn. and dc	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/13 13:25
S10 8	117	sleep apnea and pulse oximeter and monitor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/18 10:18